

TECHNICAL SPECIFICATIONS

MB7EM Series

Three-Phase, 460Volt, Modular Air Handler

36,000, 48,000, and 60,000 Btuh (Heat Pump & Air Conditioner)

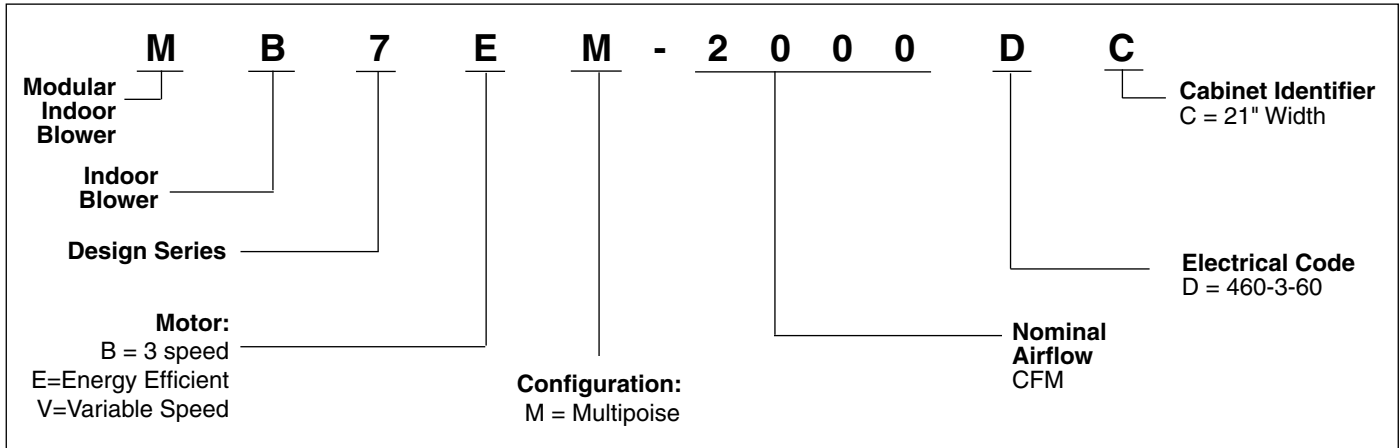
The MB7 Modular Indoor Blower offers exceptional flexibility for space restricted applications. Match the MB7 with our C7 cased coils to create upflow, downflow, and horizontal two-piece air handlers.



FEATURES and BENEFITS

- **Durable, Attractive Cabinet:** Designed using galvanized steel. The door is also galvanized steel, with a polyester urethane finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units. The plastic drain pan is corrosion-resistant.
- **Multi-poised:** Can be used in horizontal, upflow, downflow and vertical applications.
- **Multi-speed:** Gives flexibility of installation.
- **Ease-of-Service:** Plug-in wire connections and modularity make the air handler easy to service.
- **Plug-in Heater Kits:** Available in 9kw - 15kw
- **Circuit Board:** Incorporating blower time delay relay, low voltage terminal strip, and heat-strip sequencing.
- **Air Handler Control Board:** Controls time-sequencing of heat stages with field-selectable sequence timing.
- **Breaker Accessibility:** Breaker accessible from front of unit when heater is applied.
- **No Fasteners on Sides:** Smooth surfaces for ease of installation.
- **Cabinet Insulation:** 1/2" insulation contributes to quiet operation and prevents cabinet sweating in difficult applications.
- **Energy Efficient Fixed Speed ECM Motor:** Provides 16 field-selectable cooling airflows and 16 field-selectable heating airflows to match any application.
- **Quiet Blower Operation:** Extra quiet and smooth blower on and off cycles.
- **Designed to Meet the Requirements 610.2.A.2:** Meets Florida building code requirements for air leakage.

MODEL IDENTIFICATION CODE



ELECTRICAL DATA

Order Number	Model Number	Min. Circuit Amp.	Maximum Over-Current Rating
		Single Circuit	Single Circuit
	None	4.1	15.0
1009770	H8HK-009S-01	18.3	20.0
1009771	H8HK-015S-01	27.7	30.0

AIRFLOW SETTINGS

Minimum Heating Airflow Settings

Cabinet	Nominal Electric Heat KW	
	10	15
C	1200	1400

Cooling Airflow Settings

C-CABINET					
CFM	SWITCH SETTINGS (1 = ON, 0 = OFF)				NOMICAL CAPACITY
	1	2	3	4	
1100	0	0	0	0	3 TON
1200	0	0	0	1	
1250	0	0	1	0	3.5 TON
1300	0	0	1	1	
1350	0	1	0	0	
1400	0	1	0	1	
1450	0	1	1	0	4 TON
1500	0	1	1	1	
1550	1	0	0	0	
1600	1	0	0	1	
1650	1	0	1	0	5 TON
1700	1	0	1	1	
1750	1	1	0	0	
1800	1	1	0	1	
1900	1	1	1	0	
2000	1	1	1	1	

DIMENSIONS

FIGURES & TABLES

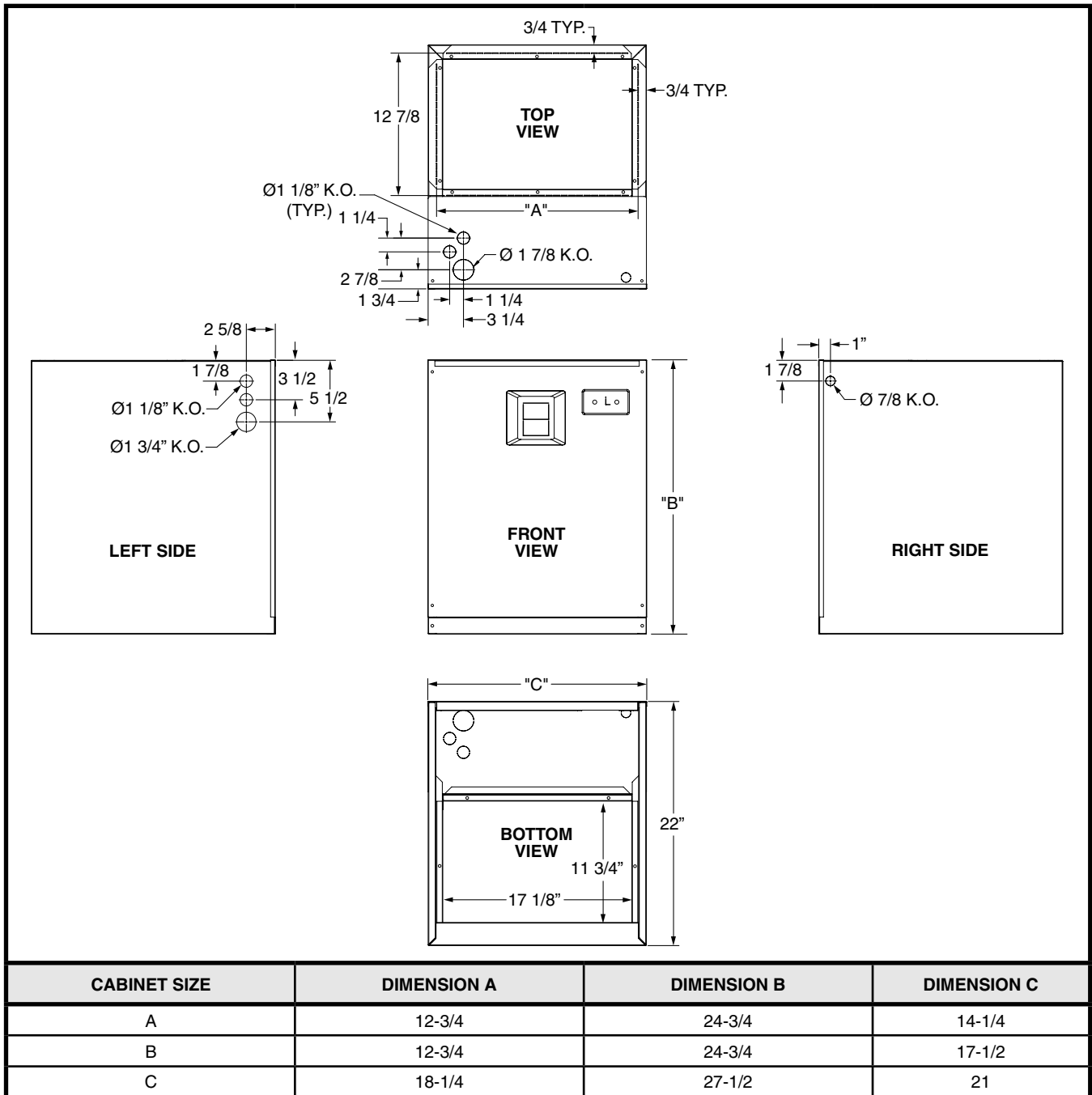


Figure 1. MB7 Physical Dimensions

SPECIFICATIONS

	Nominal cooling capacity - BTUh ¹	Maximum Available Auxiliary Heat	Nominal Blower Size (Dia. x Width)	Motor Hp-speeds-type	Approximate Shipping Weight (lbs)	Height, "H", in.	Width, "W", in.	Supply Air Outlet Dimension, in.
MB7EM-2000D-C	60000	20	11 x 10	3/4-16-FS	73	27-1/2	21	12-7/8 x 18-1/4

¹ See current AHRI Directory for certified combinations and ratings.

BLOWER PERFORMANCE DATA

MB7EM C-cabinet	Switch Setting				Cooling or Heating Airflow (CFM)							
					Dry Coil ESP							
	1/5	2/6	3/7	4/8	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
	0	0	0	0	710	580	395					
	1	0	0	0	830	690	675	530	505			
	0	1	0	0	930	875	710	665	560	530		
	1	1	0	0	1065	1015	900	840	800	705	665	635
	0	0	1	0	1185	1115	1010	960	925	875	830	745
	1	0	1	0	1275	1220	1175	1120	1060	970	930	890
	0	1	1	0	1365	1350	1255	1200	1150	1105	1060	1025
	1	1	1	0	1480	1430	1370	1325	1265	1225	1185	1140
	0	0	0	1	1560	1535	1485	1430	1375	1335	1285	1240
	1	0	0	1	1650	1600	1545	1500	1450	1405	1360	1305
	0	1	0	1	1730	1685	1660	1610	1570	1520	1470	1420
	1	1	0	1	1785	1740	1695	1645	1615	1545	1510	1470
	0	0	1	1	1865	1820	1785	1750	1695	1655	1605	1560
	1	0	1	1	1920	1890	1850	1805	1765	1715	1675	1640
	0	1	1	1	2010	1965	1960	1900	1850	1810	1775	1730
	1	1	1	1	2065	2020	1985	1955	1915	1880	1840	1810

NOTE: 0 = OFF, 1 = ON



GENERAL TERMS OF LIMITED WARRANTY

Nortek Global HVAC, LLC will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nortek Global HVAC, LLC warranty department for a copy.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (11/2016)